

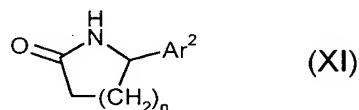
Amendments to the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (Canceled).

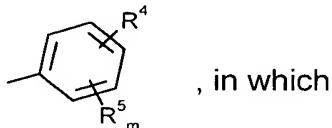
Claim 14. (New) A compound of the formula (XI)



in which

n represents 1, 2 or 3,

Ar² represents the radical



, in which

m represents 0, 1, 2 or 3,

R⁴ represents halogen, cyano, trialkylsilyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

(l) -X-A

(m) -B-Z-D

(n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -S(O)_oR⁶,

o represents 0, 1 or 2,

R⁶ represents alkyl or halogenoalkyl,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹,

- X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or dialkylsilylene,
- A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W²,
- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenyl-alkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R¹², -CO-NR¹³R¹⁴ or represents the grouping -(CH₂)_p-(CR¹⁵R¹⁶)_q-(CH₂)_r-G, or Z and D together represent optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- E represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or

alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W² or represents the grouping $-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G$,

R¹² represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

R¹³ represents hydrogen or alkyl,

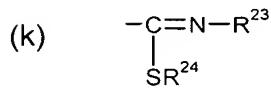
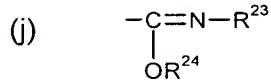
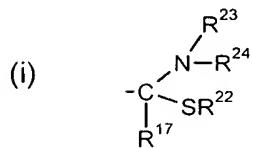
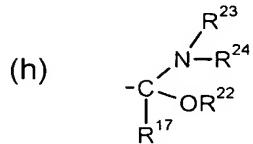
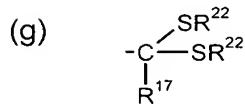
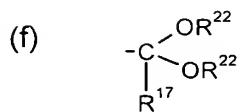
R¹⁴ represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl or cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:

- (a) $-CO-R^{17}$
- (b) $-CO-OR^{18}$
- (c) $-CO-NR^{19}R^{20}$
- (d) $-CS-NR^{19}R^{20}$
- (e)
$$\begin{array}{c} -C \equiv N - R^{21} \\ | \\ R^{17} \end{array}$$



R^{17} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl, which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W^3 ,

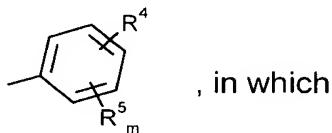
R^{18} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W^3 ,

R^{19} and R^{20} independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^3 , represent $-\text{OR}^{18}$ or $-\text{NR}^{17}\text{R}^{18}$ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen,

R^{21} represents $-OR^{18}$, $-NR^{17}R^{18}$ or $-N(R^{17})-COOR^{18}$,
 R^{22} , R^{23} and R^{24} independently of one another each represent alkyl,
 W^1 represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio or $-S(O)_oR^6$,
 W^2 represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio, $-S(O)_oR^6$ or $-C(R^{17})=N-R^{21}$,
 W^3 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, $-S(O)_oR^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,
 R^{25} represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W^4 ,
 R^{26} and R^{27} independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^4 , represent $-OR^{22}$ or $-NR^{23}R^{24}$ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and
 W^4 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or $-S(O)_oR^6$.

15. (New) The compound of Claim 14, in which
in which

n represents 1, 2 or 3,
 Ar^2 represents the radical



m represents 0, 1, 2 or 3,

- R^4 represents a substituent in meta- or para-position from the group consisting of halogen, cyano, tri-(C₁-C₆-alkyl)-silyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below
- (l) -X-A
 - (m) -B-Z-D
 - (n) -Y-E,
- R^5 represents hydrogen, halogen, cyano, nitro, C₁-C₁₆-alkyl, C₁-C₁₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, C₁-C₈-alkoxy-C₁-C₈-alkoxy or -S(O)₀R⁶,
- o represents 0, 1 or 2,
- R^6 represents optionally fluorine- or chlorine-substituted C₁-C₆-alkyl,
- R^{10} and R^{11} independently of one another each represent hydrogen, C₁-C₆-alkyl, C₁-C₆-halogenoalkyl or represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W¹,
- X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkynylene, C₁-C₄-alkyleneoxy, C₁-C₄-Oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or di-C₁-C₄-alkylsilylene,
- A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to tetrasubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, including 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to tetrasubstituted by radicals from the list W²,
- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkynyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C₃-C₈-cycloalkyl or C₃-C₈-cycloalkyl-C₁-C₆-alkyl, represents respectively optionally

halogen- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl or C₅-C₈-cycloalkenyl-C₁-C₄-alkyl, represents respectively optionally nitro-, halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl-C₁-C₆-alkyl, naphthyl-C₁-C₆-alkyl, tetrahydronaphthyl-C₁-C₆-alkyl or 5- or 6-membered hetaryl-C₁-C₆-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R¹², -CO-NR¹³R¹⁴ or represents the grouping -(CH₂)_p-(CR¹⁵R¹⁶)_q-(CH₂)_r-G, or

Z and D together represent optionally nitro-, halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenoxy-C₁-C₄-alkyl,

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkynylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

E represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkynyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C₃-C₈-cycloalkyl, represents optionally halogen- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W² or represents the grouping -(CH₂)_p-(CR¹⁵R¹⁶)_q-(CH₂)_r-G,

R¹² represents C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₂-C₁₂-alkenyl, C₂-C₁₂-alkenyl-oxy, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl, C₃-C₈-cycloalkyloxy or C₃-C₈-cycloalkyl-C₁-C₆-alkyloxy or represents phenyl or naphthyl, each of which is optionally mono- to

tetrasubstituted by nitro, halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,

R¹³ represents hydrogen or C₁-C₁₂-alkyl,

R¹⁴ represents C₁-C₁₂-alkyl, C₁-C₁₂-halogenoalkyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl or C₃-C₈-cycloalkyl-C₁-C₆-alkyl, or represents phenyl or phenyl-C₁-C₆-alkyl, which is in each case optionally mono- to tetrasubstituted by halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or C₁-C₄-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by halogen, C₁-C₄-alkyl or C₁-C₄-halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:

(a) -CO-R¹⁷

(b) -CO-OR¹⁸

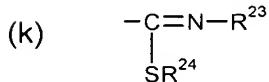
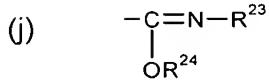
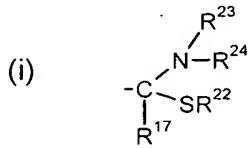
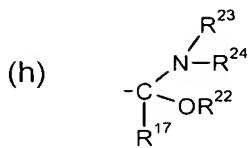
(c) -CO-NR¹⁹R²⁰

(d) -CS-NR¹⁹R²⁰

(e)
$$\begin{array}{c} \text{---C}=\text{N---R}^{21} \\ | \\ \text{R}^{17} \end{array}$$

(f)
$$\begin{array}{c} \text{---C}(\text{OR}^{22})_2 \\ | \\ \text{R}^{17} \end{array}$$

(g)
$$\begin{array}{c} \text{---C}(\text{SR}^{22})_2 \\ | \\ \text{R}^{17} \end{array}$$



R^{17} represents hydrogen, $\text{C}_1\text{-}\text{C}_6$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl, $\text{C}_2\text{-}\text{C}_6$ -halogenoalkenyl, optionally halogen-, $\text{C}_1\text{-}\text{C}_4$ -alkyl- or $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl-substituted $\text{C}_3\text{-}\text{C}_6$ -cycloalkyl, or represents phenyl, which is optionally mono- to pentasubstituted by $\text{C}_1\text{-}\text{C}_4$ -alkylcarbonylamino, $\text{C}_1\text{-}\text{C}_4$ -alkylcarbonyl- $\text{C}_1\text{-}\text{C}_4$ -alkylamino and/or radicals from the list W^3 ,

R^{18} represents hydrogen, $\text{C}_1\text{-}\text{C}_4$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl, $\text{C}_2\text{-}\text{C}_6$ -halogenoalkenyl, respectively optionally halogen-, $\text{C}_1\text{-}\text{C}_4$ -alkyl- or $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl-substituted $\text{C}_3\text{-}\text{C}_6$ -cycloalkyl or $\text{C}_3\text{-}\text{C}_6$ -cycloalkyl- $\text{C}_1\text{-}\text{C}_4$ -alkyl or represents $\text{C}_6\text{-}\text{C}_{10}$ -aryl- $\text{C}_1\text{-}\text{C}_4$ -alkyl which is optionally mono- to tetrasubstituted by radicals from the list W^3 ,

R^{19} and R^{20} independently of one another each represent hydrogen, $\text{C}_1\text{-}\text{C}_4$ -alkyl, $\text{C}_3\text{-}\text{C}_6$ -alkenyl, $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl, $\text{C}_3\text{-}\text{C}_6$ -halogenoalkenyl, $\text{C}_1\text{-}\text{C}_4$ -alkoxy, respectively optionally halogen-, $\text{C}_1\text{-}\text{C}_4$ -alkyl- or $\text{C}_1\text{-}\text{C}_4$ -halogenoalkyl-substituted $\text{C}_3\text{-}\text{C}_6$ -cycloalkyl or $\text{C}_3\text{-}\text{C}_6$ -cycloalkyl- $\text{C}_1\text{-}\text{C}_4$ -alkyl, represent phenyl or phenyl- $\text{C}_1\text{-}\text{C}_4$ -alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^3 , represent $-\text{OR}^{18}$ or $-\text{NR}^{17}\text{R}^{18}$ or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen,

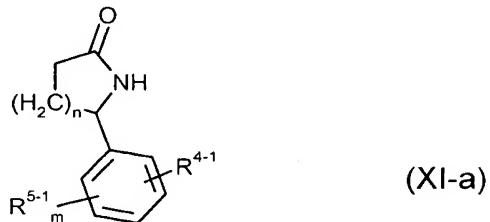
R^{21} represents $-\text{OR}^{18}$, $-\text{NR}^{17}\text{R}^{18}$ or $-\text{N}(\text{R}^{17})\text{-COOR}^{18}$,

R^{22} , R^{23} and R^{24} independently of one another each represent $\text{C}_1\text{-}\text{C}_6$ -alkyl,

- W¹ represents hydrogen, halogen, cyano, formyl, nitro, C₁-C₆-alkyl, tri-C₁-C₄-alkylsilyl, C₁-C₁₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, C₂-C₆-halogenoalkenyloxy, C₁-C₆-alkylcarbonyl, C₁-C₁₆-alkoxy-carbonyl, pentafluorothio or -S(O)₀R⁶,
- W² represents halogen, cyano, formyl, nitro, C₁-C₆-alkyl, tri-C₁-C₄-alkylsilyl, C₁-C₁₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, C₁-C₆-alkyl-carbonyl, C₁-C₁₆-alkoxycarbonyl, pentafluorothio, -S(O)₀R⁶ or -C(R¹⁷)=N-R²¹,
- W³ represents halogen, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, di-C₁-C₄-alkylamino, -S(O)₀R⁶, -COOR²⁵ or -CONR²⁶R²⁷,
- R²⁵ represents hydrogen, C₁-C₄-alkyl, C₁-C₄-halogenoalkyl, optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-halogenoalkyl-substituted C₃-C₇-cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W⁴,
- R²⁶ and R²⁷ independently of one another each represent hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, C₁-C₄-halogenoalkyl, C₃-C₆-halogenoalkenyl, C₁-C₄-alkoxy, respectively optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-halogenoalkyl-substituted C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl or represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen, and
- W⁴ represents halogen, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, di-C₁-C₄-alkylamino, C₁-C₆-alkoxycarbonyl, di-C₁-C₆-alkylaminocarbonyl or -S(O)₀R⁶.

16. (New) The compound of Claim 14, in which n is 1.

17. (New) A compound of the formula (XI-a)

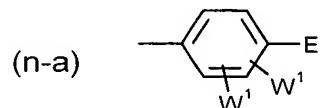


in which

n and m are as defined in Claim 14,

R⁴⁻¹ represents A or one of the following groupings

(m) -B-Z-D



where A, B, D, E, W¹ and Z are as defined in Claim 14 and

R⁵⁻¹ represents hydrogen, fluorine, cyano, nitro, alkyl, alkoxy,

halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -SR⁶, wherein

R⁶ is as defined in Claim 14.